

IN THE CLAIMS:

Please amend the claims as follows:

Claims 1-3. (Cancel)

Claims 4-9 (Cancelled)

Claim 10. (Currently Amended) ~~The process according to claim 1,~~ A process for foaming polyurethanes, comprising: adding to compositions used to make solid polymers azeotropic or near azeotropic foaming agent compositions as substitutes for CFC 11 to give a homogeneous foam having a density of about 30 kg/cm³, said foaming agent compositions based on difluoromethoxy-bis(difluoromethyl ether) and/or 1-difluoromethoxy-1, 1, 2, 2-tetrafluoroethyl difluoromethyl ether, said foaming agent compositions selected from the group consisting of:

	<u>composition</u> <u>% by weight</u>
I) <u>difluoromethoxy</u> <u>bis(difluoromethyl ether)</u> <u>(HCF₂OCF₂OCF₂H);</u> <u>n-pentane</u>	<u>1-95</u> <u>99-5</u>
II) <u>difluoromethoxy</u> <u>bis(difluoromethyl ether)</u> <u>(HCF₂OCF₂OCF₂H);</u> <u>iso-pentane</u>	<u>1-99</u> <u>99-1</u>
III) <u>difluoromethoxy</u> <u>bis(difluoromethyl ether)</u> <u>(HCF₂OCF₂OCF₂H);</u> <u>dimethyl ketone (acetone)</u>	<u>1-60</u> <u>99-40</u>
IV) <u>difluoromethoxy</u> <u>bis(difluoromethyl ether)</u>	<u>1-99</u>

	<u>(HCF₂OCF₂OCF₂H);</u>	
	<u>1,1,1,3,3-pentafluorobutane</u>	<u>99-1</u>
	<u>(CF₃CH₂CF₂CH₃, HFC 365 mfc)</u>	
V)	<u>difluoromethoxy</u>	
	<u>bis(difluoromethyl ether)</u>	<u>1-40</u>
	<u>(HCF₂OCF₂OCF₂H);</u>	
	<u>1,1,1,4,4,4-hexafluorobutane</u>	<u>99-60</u>
	<u>(CF₃CH₂CH₂CF₃, HFC 356 ffa)</u>	
VI)	<u>difluoromethoxy</u>	
	<u>bis(difluoromethyl ether)</u>	<u>1-96</u>
	<u>(HCF₂OCF₂OCF₂H);</u>	
	<u>methoxymethyl methylether</u>	<u>99-14</u>
VII)	<u>difluoromethoxy</u>	
	<u>bis(difluoromethyl ether)</u>	<u>30-99</u>
	<u>(HCF₂OCF₂OCF₂H);</u>	
	<u>n-hexane</u>	<u>70-1</u>
VIII)	<u>1-difluoromethoxy</u>	
	<u>1,1,2,2-tetrafluoroethyl</u>	
	<u>difluoromethyl ether</u>	<u>1-93</u>
	<u>(HCF₂OCF₂CF₂OCF₂H);</u>	
	<u>n-pentane</u>	<u>99-7</u>
IX)	<u>1-difluoromethoxy</u>	
	<u>1,1,2,2-tetrafluoroethyl</u>	
	<u>difluoromethyl ether</u>	<u>30-99</u>
	<u>(HCF₂OCF₂CF₂OCF₂H);</u>	
	<u>dimethyl ketone (acetone)</u>	<u>70-1</u>
X)	<u>1-difluoromethoxy</u>	
	<u>1,1,2,2-tetrafluoroethyl</u>	
	<u>difluoromethyl ether</u>	<u>15-99</u>
	<u>(HCF₂OCF₂CF₂OCF₂H);</u>	
	<u>n-hexane</u>	<u>85-1</u>
XI)	<u>1-difluoromethoxy</u>	
	<u>1,1,2,2-tetrafluoroethyl</u>	
	<u>difluoromethyl ether</u>	<u>5-99</u>
	<u>(HCF₂OCF₂CF₂OCF₂H);</u>	
	<u>ethyl alcohol</u>	<u>95-1</u>
XII)	<u>difluoromethoxy-bis</u>	
	<u>(difluoromethyl ether)</u>	<u>1-64</u>

<u>(HCF₂OCF₂OCF₂H);</u>	
<u>1,1,1,3,3-pentafluorobutane</u>	<u>98-1</u>
<u>(CF₃CH₂CF₂CH₃, HFC 365 mfc)</u>	
<u>a hydrocarbon selected from</u>	
<u>n-pentane or isopentane</u>	<u>1-35 and</u>

<u>XIII) difluoromethoxy-bis</u>	
<u>(difluoromethyl ether)</u>	<u>1-22</u>
<u>(HCF₂OCF₂OCF₂H);</u>	
<u>1,1,1,4,4,4-hexafluorobutane</u>	<u>98-43</u>
<u>(CF₃CH₂CH₂CF₃, HFC 356 ffa)</u>	
<u>a hydrocarbon selected from</u>	
<u>n-pentane or isopentane</u>	<u>1-35</u>

wherein

(1) in the foaming agent compositions II, III, IV, V and VI, up to 40% by weight of the difluoromethoxy-bis(difluoromethyl ether) is optionally substituted with 1-difluoromethoxy-1,1,2,2-tetrafluoroethyldifluoromethyl ether;

(2) in the foaming agent composition IX, up to 40% by weight of 1-difluoromethoxy-1,1,2,2-tetrafluoroethyl difluoromethyl ether is optionally substituted by difluoromethoxy-bis(difluoromethyl) ether;

(3) in the foaming agent compositions I and VII, up to 50% by weight of difluoromethoxy-bis(difluoromethyl ether) is optionally substituted by 1-difluoromethoxy-1,1,2,2-tetrafluoroethyldifluoromethyl ether;

(4) in the foaming agent compositions VIII and X, up to 50% by weight of 1-difluoromethoxy-1,1,2,2-tetrafluoroethyldifluoromethyl ether is optionally substituted with difluoromethoxy-bis(difluoromethyl) ether,

wherein the hydrocarbon of XII and XIII is n-pentane or isopentane and the hydrocarbon is present in the range 1-20% by weight.

Claim 11. (Cancelled)

Claims 12-13. (Cancel)

Claim 14. (Currently Amended) ~~The process according to claim 12,~~ A process for foaming polyurethanes, comprising: adding to compositions used to make solid polymers azeotropic or near azeotropic foaming agent compositions as substitutes for CFC 11 to give a homogeneous foam having a density of about 30 kg/cm³, said foaming agent compositions based on difluoromethoxy-bis(difluoromethyl ether) and/or 1-difluoromethoxy-1, 1, 2, 2-tetrafluoroethyl difluoromethyl ether, wherein for polyurethane foams the compositions are selected from the group consisting of:

	<u>composition</u> <u>% by weight</u>
I) <u>difluoromethoxy</u>	
<u>bis(difluoromethyl ether)</u>	<u>1-95</u>
<u>(HCF₂OCF₂OCF₂H);</u>	
<u>n-pentane</u>	<u>99-5</u>
II) <u>difluoromethoxy</u>	
<u>bis(difluoromethyl ether)</u>	<u>1-99</u>
<u>(HCF₂OCF₂OCF₂H);</u>	
<u>iso-pentane</u>	<u>99-1</u>
IV) <u>difluoromethoxy</u>	
<u>bis(difluoromethyl ether)</u>	<u>1-99</u>
<u>(HCF₂OCF₂OCF₂H);</u>	
<u>1,1,1,3,3-pentafluorobutane</u>	<u>99-1</u>
<u>(CF₃CH₂CF₂CH₃, HFC 365 mfc)</u>	
V) <u>difluoromethoxy</u>	
<u>bis(difluoromethyl ether)</u>	<u>1-40</u>
<u>(HCF₂OCF₂OCF₂H);</u>	
<u>1,1,1,4,4,4-hexafluorobutane</u>	<u>99-60</u>

(CF₃CH₂CH₂CF₃, HFC 356 ffa)

VI)	<u>difluoromethoxy</u>	
	<u>bis(difluoromethyl ether)</u>	<u>1-96</u>
	<u>(HCF₂OCF₂OCF₂H);</u>	
	<u>methoxymethyl methylether</u>	<u>99-14</u>
VII)	<u>difluoromethoxy</u>	
	<u>bis(difluoromethyl ether)</u>	<u>30-99</u>
	<u>(HCF₂OCF₂OCF₂H);</u>	
	<u>n-hexane</u>	<u>70-1</u>
VIII)	<u>1-difluoromethoxy</u>	
	<u>1,1,2,2-tetrafluoroethyl</u>	
	<u>difluoromethyl ether</u>	<u>1-93</u>
	<u>(HCF₂OCF₂CF₂OCF₂H);</u>	
	<u>n-pentane</u>	<u>99-7 and</u>
X)	<u>1-difluoromethoxy</u>	
	<u>1,1,2,2-tetrafluoroethyl</u>	
	<u>difluoromethyl ether</u>	<u>15-99</u>
	<u>(HCF₂OCF₂CF₂OCF₂H);</u>	
	<u>n-hexane</u>	<u>85-1</u>

wherein

(1) in the foaming agent compositions II, IV, V and VI, up to 40% by weight of the difluoromethoxy-bis(difluoromethyl ether) is optionally substituted with 1-difluoromethoxy-1,1,2,2-tetrafluoroethyldifluoromethyl ether;

(2) in the foaming agent compositions I and VII, up to 50% by weight of difluoromethoxy-bis(difluoromethyl ether) is optionally substituted by 1-difluoromethoxy-1,1,2,2-tetrafluoroethyldifluoromethyl ether;

(3) in the foaming agent compositions VIII and X, up to 50% by weight of 1-difluoromethoxy-1,1,2,2-tetrafluoroethyldifluoromethyl ether is optionally substituted with difluoromethoxy-bis(difluoromethyl) ether.

wherein the compositions are used in combination with H₂O and/or CO₂.

Claim 15. (Previously Presented) The process according to claim 14, wherein the water amount is in the range 0.5-7 parts by weight on one hundred parts of polyol.

Claim 16. (Previously Presented) The process according to claim 14, wherein the CO₂ amount is in the range 0.6-10 parts by weight on one hundred parts of polyol.

Claim 17. (Currently Amended) ~~The process according to claim 1~~ A process for foaming polyurethanes, comprising: adding to compositions used to make solid polymers azeotropic or near azeotropic foaming agent compositions as substitutes for CFC 11 to give a homogeneous foam having a density of about 30 kg/cm³, said foaming agent compositions based on difluoromethoxy-bis(difluoromethyl ether) and/or 1-difluoromethoxy-1, 1, 2, 2-tetrafluoroethyl difluoromethyl ether, said foaming agent compositions selected from the group consisting of:

	<u>composition</u> <u>% by weight</u>
I) <u>difluoromethoxy</u> <u>bis(difluoromethyl ether)</u> <u>(HCF₂OCF₂OCF₂H);</u> <u>n-pentane</u>	<u>1-95</u> <u>99-5</u>
II) <u>difluoromethoxy</u> <u>bis(difluoromethyl ether)</u> <u>(HCF₂OCF₂OCF₂H);</u> <u>iso-pentane</u>	<u>1-99</u> <u>99-1</u>
III) <u>difluoromethoxy</u> <u>bis(difluoromethyl ether)</u> <u>(HCF₂OCF₂OCF₂H);</u>	<u>1-60</u>

	<u>dimethyl ketone (acetone)</u>	<u>99-40</u>
IV)	<u>difluoromethoxy</u>	
	<u>bis(difluoromethyl ether)</u>	<u>1-99</u>
	<u>(HCF₂OCF₂OCF₂H);</u>	
	<u>1,1,1,3,3-pentafluorobutane</u>	<u>99-1</u>
	<u>(CF₃CH₂CF₂CH₃, HFC 365 mfc)</u>	
V)	<u>difluoromethoxy</u>	
	<u>bis(difluoromethyl ether)</u>	<u>1-40</u>
	<u>(HCF₂OCF₂OCF₂H);</u>	
	<u>1,1,1,4,4,4-hexafluorobutane</u>	<u>99-60</u>
	<u>(CF₃CH₂CH₂CF₃, HFC 356 ffa)</u>	
VI)	<u>difluoromethoxy</u>	
	<u>bis(difluoromethyl ether)</u>	<u>1-96</u>
	<u>(HCF₂OCF₂OCF₂H);</u>	
	<u>methoxymethyl methylether</u>	<u>99-14</u>
VII)	<u>difluoromethoxy</u>	
	<u>bis(difluoromethyl ether)</u>	<u>30-99</u>
	<u>(HCF₂OCF₂OCF₂H);</u>	
	<u>n-hexane</u>	<u>70-1</u>
VIII)	<u>1-difluoromethoxy</u>	
	<u>1,1,2,2-tetrafluoroethyl</u>	
	<u>difluoromethyl ether</u>	<u>1-93</u>
	<u>(HCF₂OCF₂CF₂OCF₂H);</u>	
	<u>n-pentane</u>	<u>99-7</u>
IX)	<u>1-difluoromethoxy</u>	
	<u>1,1,2,2-tetrafluoroethyl</u>	
	<u>difluoromethyl ether</u>	<u>30-99</u>
	<u>(HCF₂OCF₂CF₂OCF₂H);</u>	
	<u>dimethyl ketone (acetone)</u>	<u>70-1</u>
X)	<u>1-difluoromethoxy</u>	
	<u>1,1,2,2-tetrafluoroethyl</u>	
	<u>difluoromethyl ether</u>	<u>15-99</u>
	<u>(HCF₂OCF₂CF₂OCF₂H);</u>	
	<u>n-hexane</u>	<u>85-1</u>
XI)	<u>1-difluoromethoxy</u>	
	<u>1,1,2,2-tetrafluoroethyl</u>	
	<u>difluoromethyl ether</u>	<u>5-99</u>
	<u>(HCF₂OCF₂CF₂OCF₂H);</u>	

	<u>ethyl alcohol</u>	<u>95-1</u>
XII)	<u>difluoromethoxy-bis</u> <u>(difluoromethyl ether)</u> <u>(HCF₂OCF₂OCF₂H);</u>	<u>1-64</u>
	<u>1,1,1,3,3-pentafluorobutane</u> <u>(CF₃CH₂CF₂CH₃, HFC 365 mfc)</u> <u>a hydrocarbon selected from</u> <u>n-pentane or isopentane</u>	<u>98-1</u> <u>1-35 and</u>
XIII)	<u>difluoromethoxy-bis</u> <u>(difluoromethyl ether)</u> <u>(HCF₂OCF₂OCF₂H);</u>	<u>1-22</u>
	<u>1,1,1,4,4,4-hexafluorobutane</u> <u>(CF₃CH₂CH₂CF₃, HFC 356 ffa)</u> <u>a hydrocarbon selected from</u> <u>n-pentane or isopentane</u>	<u>98-43</u> <u>1-35</u>

wherein

- (1) in the foaming agent compositions II, III, IV, V and VI, up to 40% by weight of the difluoromethoxy-bis(difluoromethyl ether) is optionally substituted with 1-difluoromethoxy-1,1,2,2-tetrafluoroethyldifluoromethyl ether;
- (2) in the foaming agent composition IX, up to 40% by weight of 1-difluoromethoxy-1,1,2,2-tetrafluoroethyl difluoromethyl ether is optionally substituted by difluoromethoxy-bis(difluoromethyl) ether;
- (3) in the foaming agent compositions I and VII, up to 50% by weight of difluoromethoxy-bis(difluoromethyl ether) is optionally substituted by 1-difluoromethoxy-1,1,2,2-tetrafluoroethyldifluoromethyl ether;
- (4) in the foaming agent compositions VIII and X, up to 50% by weight of 1-difluoromethoxy-1,1,2,2-tetrafluoroethyldifluoromethyl ether is optionally substituted with difluoromethoxy-bis(difluoromethyl) ether.

wherein stabilizers for radicalic decomposition reactions are added, the concentration of which is in the range 0.1 - 5% by weight with respect to the foaming agent.

Claims 18-21. (Cancelled)

Claim 22. (Previously Presented) Thermoplastic polymer compositions comprising the foaming compositions selected from the group consisting of:

	composition % by weight
I) difluoromethoxy bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); n-pentane	1-95 99-5
II) difluoromethoxy bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); iso-pentane	1-99 99-1
III) difluoromethoxy bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); dimethyl ketone (acetone)	1-60 99-40
VII) difluoromethoxy bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); n-hexane	30-99 70-1
VIII) 1-difluoromethoxy 1,1,2,2-tetrafluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); n-pentane	1-93 99-7
IX) 1-difluoromethoxy	

	1,1,2,2-tetrafluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); dimethyl ketone (acetone)	30-99 70-1
X)	1-difluoromethoxy 1,1,2,2-tetrafluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); n-hexane	15-99 85-1
XI)	1-difluoromethoxy 1,1,2,2-tetrafluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); ethyl alcohol	5-99 95-1
XII)	difluoromethoxy-bis (difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); 1,1,1,3,3-pentafluorobutane ($\text{CF}_3\text{CH}_2\text{CF}_2\text{CH}_3$, HFC 365 mfc) a hydrocarbon selected from n-pentane or isopentane	1-64 98-1 1-35 and
XIII)	difluoromethoxy-bis (difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); 1,1,1,4,4,4-hexafluorobutane ($\text{CF}_3\text{CH}_2\text{CH}_2\text{CF}_3$, HFC 356 ffa) a hydrocarbon selected from n-pentane or isopentane	1-22 98-43 1-35.

Claims 23-24. (Cancel)

Claim 25. (Cancelled)

Claim 26. (Previously Presented) Thermoplastic polymer compositions according to claim 22 comprising foaming compositions selected from the group consisting of:

composition
% by weight

A)	difluoromethoxy-bis (difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); n-pentane	62% by wt. 38% by wt.
B)	difluoromethoxy- bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); iso-pentane	63% by wt. 36% by wt.
C)	difluoromethoxy- bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); dimethyl ketone (acetone)	42% by wt. 58% by wt.
G)	difluoromethoxy- bis(difluoromethyl ether) ($\text{HCF}_2\text{OCF}_2\text{OCF}_2\text{H}$); n-hexane	75% by wt. 25% by wt.
H)	1-difluoromethoxy-1,1,2,2-tetra- fluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); n-pentane	61% by wt. 39% by wt.
I)	1-difluoromethoxy-1,1,2,2-tetra- fluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); dimethyl ketone (acetone)	79% by wt. 21% by wt.
L)	1-difluoromethoxy-1,1,2,2-tetra- fluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); n-hexane	74% by wt. 26% by wt. and
M)	1-difluoromethoxy-1,1,2,2-tetra- fluoroethyl difluoromethyl ether ($\text{HCF}_2\text{OCF}_2\text{CF}_2\text{OCF}_2\text{H}$); ethyl alcohol	95% by wt. 5% by wt.

Claim 27. (Cancel)